

**Table A-19. Scientists and engineers in R&D in selected Asian countries and the United States and as a percentage of the labor force: 1975–90**

[In thousands]

Page 1 of 2

Year	China	India	Japan	Singapore	South Korea	Taiwan	Total	United States
1975 ..	NA	NA	253.6	NA	10.3	NA	263.9	527.4
1976 ..	NA	54.1	263.2	NA	11.7	NA	329.0	535.2
1977 ..	NA	55.3	264.8	NA	12.8	NA	332.9	560.6
1978 ..	NA	56.5	272.8	0.8	14.7	NA	344.8	587.6
1979 ..	NA	60.6	291.2	.9	15.7	NA	368.4	614.5
1980 ..	NA	64.9	303.2	1.0	18.4	6.2	393.7	651.1
1981 ..	NA	68.2	310.9	1.2	20.7	9.4	410.4	683.2
1982 ..	NA	71.6	321.0	1.4	28.4	10.4	432.8	711.8
1983 ..	NA	74.7	347.4	1.7	32.1	12.1	468.0	751.6
1984 ..	NA	78.0	357.4	2.4	37.1	17.6	492.5	797.6
1985 ..	NA	81.6	380.8	2.7	41.4	20.1	526.5	841.6
1986 ..	NA	85.3	393.0	3.0	47.0	21.5	549.8	882.3
1987 ..	NA	90.9	415.6	3.4	52.8	23.5	586.2	910.2
1988 ..	NA	96.9	434.6	3.3	56.5	25.6	617.0	927.3
1989 ..	NA	96.9	457.5	3.3	60.0	28.3	646.0	949.3
1990 ..	391.1	106.0	477.9	4.3	68.8	32.1	1,080.2	NA
Total labor force								
1975 ..	481,759	243,480	55,678	909	13,054	5,656	800,536	95,453
1976 ..	494,819	247,848	55,962	951	13,389	5,772	818,741	97,826
1977 ..	507,879	252,217	56,246	992	13,724	6,087	837,145	100,665
1978 ..	520,939	256,584	56,529	1,034	14,059	6,333	855,478	103,882
1979 ..	533,999	260,952	56,813	1,075	14,394	6,507	873,740	106,559
1980 ..	547,059	265,320	57,097	1,116	14,729	6,629	891,950	108,544
1981 ..	561,229	270,895	57,632	1,138	15,141	6,764	912,799	110,315
1982 ..	575,398	276,469	58,167	1,160	15,553	6,960	933,707	111,872
1983 ..	589,567	282,044	58,702	1,182	15,965	7,266	954,726	113,226
1984 ..	603,736	287,618	59,237	1,204	16,377	7,491	975,663	115,241
1985 ..	617,905	293,193	59,772	1,226	16,789	7,651	996,536	117,167
1986 ..	630,304	299,143	60,258	1,240	17,164	7,945	1,016,054	119,540
1987 ..	642,703	305,093	60,744	1,255	17,539	8,183	1,035,517	121,602
1988 ..	655,102	311,044	61,230	1,269	17,914	8,250	1,054,809	123,378
1989 ..	667,501	316,994	61,716	1,283	18,289	8,400	1,074,183	125,557
1990 ..	697,300	316,994	63,840	1,412	18,487	8,420	1,106,453	NA

See explanatory information and SOURCES at end of table.

**Table A-19. Scientists and engineers in R&D in selected Asian countries and the United States and as a percentage of the labor force: 1975–90**

[In thousands]

Page 2 of 2

Year	China	India	Japan	Singapore	South Korea	Taiwan	Total	United States
Scientists and engineers in research and development per 10,000 of the labor force								
1975 ..	NA	NA	45.55	NA	7.89	NA	3.30	55.25
1976 ..	NA	2.18	47.03	NA	8.74	NA	4.02	54.71
1977 ..	NA	2.19	47.08	NA	9.33	NA	3.98	55.69
1978 ..	NA	2.20	48.26	7.74	10.46	NA	4.03	56.56
1979 ..	NA	2.32	51.26	8.52	10.91	NA	4.22	57.67
1980 ..	NA	2.45	53.10	9.39	12.49	9.36	4.41	59.98
1981 ..	NA	2.52	53.96	10.54	13.67	13.96	4.50	61.93
1982 ..	NA	2.59	55.19	12.30	18.26	14.97	4.64	63.63
1983 ..	NA	2.65	59.11	14.36	20.11	16.59	4.90	66.38
1984 ..	NA	2.71	60.27	19.93	22.65	23.47	5.05	69.21
1985 ..	NA	2.78	63.74	21.99	24.66	26.24	5.28	71.83
1986 ..	NA	2.85	65.22	24.41	27.38	27.01	5.41	73.81
1987 ..	NA	2.98	68.48	27.09	30.10	28.77	5.66	74.85
1988 ..	NA	3.12	71.04	26.40	31.54	31.04	5.85	75.16
1989 ..	NA	3.06	74.21	25.72	32.81	33.63	6.01	75.61
1990 ..	5.61	3.34	74.21	30.45	37.22	38.12	9.76	NA

**KEY:** NA = Not available

**SOURCE:** Labor Force: Japan: Organisation for Economic Co-operation and Development, 1992, *Main Science and Technology Indicators* (Paris) uses adjusted data for Japan; other Asian countries: World Bank, 1991, *Indicators of Social Development*, (Washington, DC); United States: U.S. Department of Labor, Bureau of Labor Statistics, 1990, *Employment & Earnings* (Washington, DC)

Scientists and Engineers in R&D: China: Government of the People's Republic of China, State Science and Technology Commission, Division of Statistics, Department of Planning; India: Government of India, Department of Science and Technology, n.d., *Research and Development Statistics, 1990–91* (New Delhi); Japan: Organization for Economic Cooperation and Development, 1992, *Main Science and Technology Indicators* (Paris); Singapore: Government of Singapore, National Science and Technology Board, 1990, *National Survey of R&D Expenditures and Manpower*; and Government of Singapore, Science Council of Singapore, 1982–88, *National Survey of R&D Expenditures and Manpower*; South Korea: Government of the Republic of Korea, Ministry of Science and Technology, 1990, 1989 *Report on the Survey of Research and Development in Science and Technology* (Seoul); Taiwan: Government of the Republic of China, National Science Council, 1987, *Science and Technology Databook*, (Taipei); United States: National Science Foundation, 1992, *National Patterns of R&D Resources: 1992*, NSF 92-330 (Washington, DC)

**Table A-20. R&D expenditures per research scientist and engineer  
in selected Asian countries and the United States: 1975-90**

Page 1 of 1

Year	China	India	Japan	Singapore	South Korea	Taiwan	United States
1975 . . . . .	NA	NA	72,177	NA	NA	NA	137,004
1976 . . . . .	NA	31,496	72,291	NA	32,349	NA	140,256
1977 . . . . .	NA	33,576	74,205	NA	45,104	NA	136,921
1978 . . . . .	NA	39,278	76,718	42,089	45,134	NA	136,534
1979 . . . . .	NA	38,019	79,190	42,207	40,268	NA	136,884
1980 . . . . .	NA	37,914	83,623	40,047	33,677	79,631	134,643
1981 . . . . .	NA	40,489	90,207	39,682	35,459	72,558	133,858
1982 . . . . .	NA	45,993	93,751	44,290	37,743	65,314	134,292
1983 . . . . .	NA	46,504	94,665	49,562	43,251	63,066	136,123
1984 . . . . .	NA	53,457	100,248	48,136	48,259	50,071	139,339
1985 . . . . .	NA	55,315	105,031	52,253	57,571	49,338	143,327
1986 . . . . .	NA	58,403	103,548	57,488	65,051	50,480	139,711
1987 . . . . .	NA	59,126	105,191	61,225	68,908	58,671	137,720
1988 . . . . .	NA	60,127	108,378	68,622	75,997	63,596	138,950
1989 . . . . .	NA	62,280	113,039	78,216	78,767	69,864	136,825
1990 . . . . .	54,884	57,456	117,068	67,855	73,297	77,032	NA

**SOURCE:** Computed, tables A-16 and A-19

**Table A-21. U.S. patents granted to inventors from selected Asian countries:  
1975–90**

Page 1 of 1

Year	China	India	Japan	Singapore	South Korea	Taiwan
1975 . . . . .	1	13	6,350	1	11	23
1976 . . . . .	6	17	6,539	3	7	28
1977 . . . . .	1	13	6,217	3	5	52
1978 . . . . .	0	14	6,910	2	12	29
1979 . . . . .	2	14	5,250	0	4	38
1980 . . . . .	1	4	7,124	3	8	65
1981 . . . . .	3	6	8,387	4	15	80
1982 . . . . .	0	4	8,149	3	14	88
1983 . . . . .	1	14	8,792	5	26	65
1984 . . . . .	2	12	11,109	4	29	98
1985 . . . . .	1	10	12,743	9	38	174
1986 . . . . .	9	18	13,198	3	45	208
1987 . . . . .	23	12	16,539	11	84	343
1988 . . . . .	47	14	16,137	6	95	457
1989 . . . . .	52	14	20,100	18	157	592
1990 . . . . .	46	24	19,444	12	224	731

**SOURCE:** U.S. Department of Commerce, Patent and Trademark Office, 1991, *Patenting Trends in the United States: United States Country Report 1963–90* (Washington, DC)

**Table A-22. Gross domestic product in selected Asian countries and the United States: 1975–90**

Page 1 of 4

Country (number of currency units)	Year	Current year units	Deflator 1987 = 100	PPP <sup>(1)</sup>	Constant 1987 units	Current \$PPPs <sup>(2)</sup> (millions)	Constant 1987 \$PPPs <sup>(2)</sup> (millions)
China (millions of yuan)	1975 . . .	NA	NA	NA	NA	NA	NA
	1976 . . .	NA	NA	NA	NA	NA	NA
	1977 . . .	NA	NA	NA	NA	NA	NA
	1978 . . .	358,810	0.4429	0.4991	810,193	718,860	1,662,924
	1979 . . .	399,810	.4765	.4768	839,006	838,593	1,722,064
	1980 . . .	446,900	.5137	.4513	869,914	990,146	1,785,502
	1981 . . .	477,510	.5368	.4206	889,618	1,135,243	1,825,945
	1982 . . .	518,230	.5837	.4041	887,833	1,282,331	1,822,280
	1983 . . .	578,700	.6439	.4003	898,696	1,445,530	1,844,578
	1984 . . .	692,820	.7378	.4153	939,008	1,668,320	1,927,318
	1985 . . .	852,740	.8317	.4361	1,025,286	1,955,178	2,104,403
	1986 . . .	968,760	.9008	.4665	1,075,447	2,076,655	2,207,360
	1987 . . .	1,130,710	1.0000	.4872	1,130,710	2,320,787	2,320,787
India (millions of rupees)	1988 . . .	1,402,420	1.1098	.5174	1,263,633	2,710,734	2,593,612
	1989 . . .	1,592,060	1.1537	NA	1,379,989	NA	2,832,433
	1990 . . .	1,767,110	1.2139	NA	1,455,722	NA	2,987,875
	1975 . . .	787,610	0.3950	3.6559	1,994,089	215,436	375,775
	1976 . . .	848,910	.4137	3.6936	2,052,030	229,833	386,694
	1977 . . .	950,670	.4370	3.6889	2,175,449	257,708	409,952
	1978 . . .	1,041,900	.4487	3.5360	2,322,286	294,658	437,622
	1979 . . .	1,143,560	.5226	3.7715	2,188,061	303,212	412,328
	1980 . . .	1,360,130	.5827	3.9560	2,334,322	343,817	439,890
	1981 . . .	1,597,600	.6424	4.0761	2,486,845	391,944	468,633
	1982 . . .	1,781,320	.6902	4.1516	2,580,862	429,069	486,349
	1983 . . .	2,075,890	.7487	4.3867	2,772,549	473,221	522,472
	1984 . . .	2,313,870	.8048	4.6847	2,875,147	493,924	541,806
	1985 . . .	2,619,200	.8638	4.9266	3,032,304	531,643	571,421
	1986 . . .	2,919,740	.9211	5.1250	3,169,741	569,702	597,321
	1987 . . .	3,326,160	1.0000	5.3066	3,326,160	626,797	626,797
	1988 . . .	3,949,920	1.0823	5.4911	3,649,433	719,328	687,716
	1989 . . .	4,506,010	1.1630	NA	3,874,330	NA	730,096
	1990 . . .	5,295,370	1.2953	NA	4,088,003	NA	770,362

See explanatory information and SOURCES at end of table.

**Table A-22. Gross domestic product in selected Asian countries and the United States: 1975–90**

Page 2 of 4

Country (number of currency units)	Year	Current year units	Deflator 1987 = 100	PPP <sup>(1)</sup>	Constant 1987 units	Current \$PPPs <sup>(2)</sup> (millions)	Constant 1987 \$PPPs <sup>(2)</sup> (millions)
Japan (billions of yen)	1975 . . .	148,328	0.7137	279.6000	207,823	530,501	991,523
	1976 . . .	166,573	.7651	283.6000	217,727	587,352	1,038,774
	1977 . . .	185,622	.8144	282.7000	227,921	656,604	1,087,411
	1978 . . .	204,405	.8480	276.7000	241,050	738,724	1,150,049
	1979 . . .	221,546	.8736	260.9000	253,589	849,161	1,209,870
	1980 . . .	240,177	.9072	250.0000	264,744	960,708	1,263,089
	1981 . . .	257,364	.9358	236.8000	275,010	1,086,841	1,312,072
	1982 . . .	269,628	.9536	226.2000	282,747	1,191,989	1,348,982
	1983 . . .	280,256	.9605	221.9000	291,777	1,262,983	1,392,067
	1984 . . .	297,948	.9724	219.1000	306,418	1,359,872	1,461,916
	1985 . . .	316,303	.9872	216.7000	320,415	1,459,635	1,528,697
	1986 . . .	330,025	1.0039	215.9000	328,727	1,528,601	1,568,354
Singapore (millions of Singapore dollars)	1987 . . .	343,238	1.0000	209.6000	343,238	1,637,586	1,637,586
	1988 . . .	364,385	1.0059	203.6000	362,239	1,789,710	1,728,242
	1989 . . .	386,840	1.0217	199.8000	378,617	1,936,136	1,806,380
	1990 . . .	414,758	1.0474	195.6000	395,994	2,120,440	1,889,285
	1975 . . .	13,373	0.7118	1.7925	18,787	7,461	10,437
	1976 . . .	14,651	.7261	1.7067	20,179	8,584	11,210
	1977 . . .	16,039	.7373	1.6636	21,755	9,641	12,086
	1978 . . .	17,830	.7546	1.5670	23,629	11,378	13,127
	1979 . . .	20,523	.7953	1.5366	25,805	13,356	14,336
	1980 . . .	25,091	.8859	1.5676	28,321	16,006	15,734
	1981 . . .	29,339	.9450	1.5247	31,046	19,242	17,248
	1982 . . .	32,670	.9847	1.4008	33,177	23,322	18,432
	1983 . . .	36,733	1.0234	1.5926	35,892	23,065	19,940
	1984 . . .	40,048	1.0305	1.8133	38,861	22,086	21,589
	1985 . . .	38,924	1.0183	1.7422	38,223	22,342	21,235
	1986 . . .	38,654	.9929	1.8000	38,932	21,474	21,629
	1987 . . .	42,609	1.0000	1.8000	42,609	23,672	23,672
	1988 . . .	49,365	1.0428	1.8000	47,340	27,425	26,300
	1989 . . .	55,310	1.0692	1.8000	51,728	30,728	28,738
	1990 . . .	63,905	1.0896	1.8000	58,649	35,503	32,583

See explanatory information and SOURCES at end of table.

**Table A-22. Gross domestic product in selected Asian countries and the United States: 1975–90**

Page 3 of 4

Country (number of currency units)	Year	Current year units	Deflator 1987 = 100	PPP <sup>(1)</sup>	Constant 1987 units	Current \$PPPs <sup>(2)</sup> (millions)	Constant 1987 \$PPPs <sup>(2)</sup> (millions)
South Korea (billions of won)	1975 . . .	10,224	0.2582	215.7188	39,595	47,395	76,710
	1976 . . .	13,996	.3117	251.3412	44,897	55,685	86,982
	1977 . . .	18,074	.3634	275.3960	49,739	65,629	96,362
	1978 . . .	24,237	.4451	309.0340	54,457	78,428	105,503
	1979 . . .	31,323	.5333	344.8500	58,731	90,831	113,783
	1980 . . .	38,041	.6620	416.8792	57,466	91,252	111,333
	1981 . . .	47,482	.7737	455.8815	61,369	104,154	118,895
	1982 . . .	54,443	.8272	459.6300	65,814	118,450	127,506
	1983 . . .	63,833	.8676	479.1032	73,574	133,234	142,540
	1984 . . .	72,644	.9023	492.2120	80,506	147,587	155,969
Taiwan (millions of new Taiwanese dollars)	1985 . . .	80,847	.9390	510.4407	86,102	158,387	166,812
	1986 . . .	93,426	.9653	515.5601	96,789	181,213	187,516
	1987 . . .	108,428	1.0000	516.1627	108,428	210,066	210,066
	1988 . . .	127,963	1.0592	517.8076	120,816	247,125	234,066
	1989 . . .	143,001	1.1089	NA	128,955	NA	249,834
	1990 . . .	172,724	1.2329	NA	140,100	NA	271,426
	1975 . . .	589,651	0.6331	26.62	931,374	22,148	34,976
	1976 . . .	707,710	.6507	26.41	1,087,594	26,793	40,843
	1977 . . .	828,995	.5883	26.46	1,409,095	31,335	52,917
	1978 . . .	991,602	.6197	26.48	1,600,226	37,454	60,094
	1979 . . .	1,195,838	.6909	26.76	1,730,805	44,684	64,998
United States (billions of dollars)	1980 . . .	1,491,069	.8029	28.74	1,857,183	54,886	69,744
	1981 . . .	1,773,931	.8995	29.83	1,972,147	59,476	74,061
	1982 . . .	1,899,971	.9306	29.12	2,041,575	65,256	76,669
	1983 . . .	2,100,005	.9486	29.11	2,213,906	72,150	83,140
	1984 . . .	2,343,078	.9572	28.73	2,447,821	81,541	91,925
	1985 . . .	2,473,786	.9630	28.34	2,568,882	87,298	96,471
	1986 . . .	2,855,180	.9951	28.19	2,869,170	101,294	107,748
	1987 . . .	3,222,993	1.000	26.63	3,222,993	121,035	121,035
	1988 . . .	3,496,951	1.0107	26.22	3,459,768	133,395	129,927
	1989 . . .	3,878,547	1.0425	NA	3,720,458	NA	139,717
	1990 . . .	4,222,004	1.0851	NA	3,890,950	NA	146,119

See explanatory information and SOURCES at end of table.

**Table A-22. Gross domestic product in selected Asian countries and the United States: 1975–90**

Page 4 of 4

Year	United States			Asia total	
	Deflator 1.00 = 1987	Current dollars	Constant 1987 dollars	Current dollars	Constant 1987 dollars
1975 . . .	0.4919	1,584,820	3,221,834	822,940	1,489,422
1976 . . .	.5227	1,767,060	3,380,639	908,248	1,564,503
1977 . . .	.5587	1,974,120	3,533,417	1,020,918	1,658,727
1978 . . .	.6029	2,232,690	3,703,251	1,879,503	3,429,320
1979 . . .	.6555	2,488,630	3,796,537	2,139,836	3,537,380
1980 . . .	.7171	2,708,040	3,776,377	2,453,815	3,685,293
1981 . . .	.7886	3,030,600	3,843,013	2,796,901	3,816,854
1982 . . .	.8376	3,149,590	3,760,255	3,110,416	3,880,216
1983 . . .	.8716	3,405,050	3,906,666	3,410,184	4,004,737
1984 . . .	.9105	3,777,200	4,148,490	3,773,330	4,200,523
1985 . . .	.9437	4,038,730	4,279,676	4,214,482	4,489,040
1986 . . .	.9692	4,268,640	4,404,292	4,478,939	4,689,926
1987 . . .	1.0000	4,539,930	4,539,930	4,939,942	4,939,942
1988 . . .	1.0385	4,900,380	4,718,710	5,627,717	5,399,862
1989 . . .	1.0842	5,244,030	4,836,774	NA	5,787,198
1990 . . .	1.1287	5,513,740	4,885,036	NA	6,097,651

(1) PPP = Purchasing power parity exchange

(2) \$PPPs = Purchasing power parity dollars

**KEY:** NA = Not available

**SOURCES:** China: Government of the People's Republic of China, 1991, *Statistical Yearbook of China* (Beijing); India: Government of India, Central Statistical Organization, 1991, *National Accounts Statistics, 1991* (New Delhi); Japan: Organization for Economic Cooperation and Development, 1992, *Main Science and Technology Indicators* (Paris); Singapore and South Korea: International Monetary Fund, 1991, *International Financial Statistics Yearbook* (Washington, DC); Taiwan: Government of the Republic of China, National Science Council, 1991, *Statistical Yearbook of the Republic of China* (Taipei); United States: National Science Foundation, 1992, *National Patterns of R&D Resources: 1992*, NSF 92-330 (Washington, DC)

**Table A-23. Asian doctoral recipients from U.S. universities who plan to stay in the United States, by field: 1980, 1990, and 1991**

Page 1 of 3

Country	Total <sup>(1)</sup>	Plan to stay <sup>(2)</sup>		Firm plan to stay <sup>(3)</sup>		
		Number	Percentage	Number	Percentage	
Engineering						
1980						
China <sup>(4)</sup>	84	39	46.4	32	38.1	
Taiwan	172	114	66.3	96	55.8	
Japan	27	7	25.9	5	18.5	
S. Korea	41	25	61.0	24	58.5	
India	184	143	77.7	121	65.8	
Total	508	328	64.6	278	54.7	
1990						
China	289	162	56.1	90	31.1	
Taiwan	474	207	43.7	134	28.3	
Japan	17	5	29.4	4	23.5	
S. Korea	359	103	28.7	66	18.4	
India	313	210	67.1	161	51.4	
Total	1,452	687	47.3	455	31.3	
1991						
China	415	341	82.2	167	40.2	
Taiwan	573	293	51.1	162	28.3	
Japan	28	7	25.0	6	21.4	
S. Korea	412	148	35.9	78	18.9	
India	338	271	80.2	190	56.2	
Total	1,766	1,060	60.0	603	34.1	
Natural science						
1980						
China <sup>(4)</sup>	196	118	60.2	99	50.5	
Taiwan	227	141	62.1	118	52.0	
Japan	20	12	60.0	8	40.0	
S. Korea	46	26	56.5	20	43.5	
India	155	105	67.7	80	51.6	
Total	644	402	62.4	325	50.5	

See explanatory information and SOURCE at end of table.

**Table A-23. Asian doctoral recipients from U.S. universities who plan to stay in the United States, by field: 1980, 1990, and 1991**

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Country	Total <sup>(1)</sup>	Plan to stay <sup>(2)</sup>		Firm plan to stay <sup>(3)</sup>		
		Number	Percentage	Number	Percentage	
Natural science						
1990						
China	675	423	62.7	323	47.9	
Taiwan	457	221	48.4	153	33.5	
Japan	58	31	53.4	25	43.1	
S. Korea	407	168	41.3	134	32.9	
India	317	220	69.4	180	56.8	
Total	1,914	1,063	55.5	815	42.6	
1991						
China	1,105	924	83.6	611	55.3	
Taiwan	408	246	60.3	151	37.0	
Japan	45	25	55.6	17	37.8	
S. Korea	415	186	44.8	131	31.6	
India	295	225	76.3	174	59.0	
Total	2,268	1,606	70.8	1,084	47.8	
Social science						
1980						
China <sup>(4)</sup>	10	5	50.0	4	40.0	
Taiwan	24	11	45.8	10	41.7	
Japan	22	6	27.3	6	27.3	
S. Korea	44	13	29.5	10	22.7	
India	30	17	56.7	11	36.7	
Total	130	52	40.0	41	31.5	
1990						
China	53	31	58.5	21	39.6	
Taiwan	78	22	28.2	12	15.4	
Japan	72	24	33.3	19	26.4	
S. Korea	204	36	17.6	26	12.7	
India	75	36	48.0	29	38.7	
Total	482	149	30.9	107	22.2	

See explanatory information and SOURCE at end of table.

**Table A-23. Asian doctoral recipients from U.S. universities who plan to stay in the United States, by field: 1980, 1990, and 1991**

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Country	Total <sup>(1)</sup>	Plan to stay <sup>(2)</sup>		Firm plan to stay <sup>(3)</sup>		
		Number	Percentage	Number	Percentage	
Social science						
1991						
China	76	58	76.3	29	38.2	
Taiwan	101	38	37.6	31	30.7	
Japan	47	18	38.3	12	25.5	
S. Korea	240	55	22.9	33	13.8	
India	86	56	65.1	42	48.8	
Total	550	225	40.9	147	26.7	

(1) Total doctoral recipients by field

(2) Plan to stay = think that they will locate in the United States

(3) Firm plan to stay = have postdoctoral research appointment or academic, industrial, or other firm employment in the United States

(4) 1987 was the earliest year for which data for China were available.

**SOURCE:** National Research Council, 1992, *Survey of Earned Doctorates* (Washington, DC)